

Title (en)
SOIL AND TOPOGRAPHY SURVEYING

Title (de)
BODEN- UND TOPOGRAPHIEVERMESSUNG

Title (fr)
RELEVÉ DES SOLS ET DE LA TOPOGRAPHIE

Publication
EP 1451752 A1 20040901 (EN)

Application
EP 02782222 A 20021024

Priority
• US 0234049 W 20021024
• US 99886301 A 20011101

Abstract (en)
[origin: US7254485B2] Methods of characterizing subsurface conditions in a selected geographic region previously associated as a whole with a specific subsurface material characteristic reference profile such as from a USDA-NRCS soil survey. The method includes deploying a sensing tool at selected positions within the geographic region to determine a depth-referenced subsurface material characteristic such as soil type or strata, comparing the determined subsurface material characteristic to the subsurface material characteristic reference profile associated with the geographic region to determine a correlation between the subsurface material characteristic reference profile and the depth-referenced subsurface material characteristic, and then deciding whether to deploy the tool at another position, and at what optimum position to deploy the tool, by considering the correlation.

IPC 1-7
G06F 19/00

IPC 8 full level
G06F 19/00 (2011.01); **G01V 3/38** (2006.01); **G01V 11/00** (2006.01); **G05D 11/00** (2006.01)

CPC (source: EP US)
G01V 11/00 (2013.01 - EP US); **A01C 21/007** (2013.01 - EP)

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WO 03038730 A1 20030508; AT E547762 T1 20120315; BR 0206259 A 20031223; CA 2465537 A1 20030508; CN 100468424 C 20090311; CN 1605083 A 20050406; EA 006531 B1 20060224; EA 200400619 A1 20041230; EP 1451752 A1 20040901; EP 1451752 A4 20100901; EP 1451752 B1 20120229; IL 161629 A0 20040927; IL 161629 A 20090720; PL 373474 A1 20050905; UA 78725 C2 20070425; US 2003083819 A1 20030501; US 2003200028 A1 20031023; US 2005192752 A1 20050901; US 6597992 B2 20030722; US 6959245 B2 20051025; US 7254485 B2 20070807; ZA 200403210 B 20050518

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